

CLAIM AMENDMENTS

1 1. (currently amended) A ~~junction system joint assembly~~
2 for joining a filiform element to a connection element,
3 ~~characterized in that it has~~ the assembly comprising
4 a ~~tubular element tube~~ fitted on an end section of said
5 filiform element and ~~substantially having~~ formed with an eye for
6 hooking said connection element, the filiform element consisting of
7 a single composite round ~~bar strand mating with~~ ; and
8 means for bonding together the tubular element tube and
9 the connection along [[a]] continuous side contacting surfaces
10 thereof.

1 2. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 ~~tubular element tube~~ and said eye are made in a single piece.

1 3. (currently amended) The ~~junction system joint~~
2 assembly according to claim 2, ~~characterized in that wherein~~ said
3 ~~tubular element tube~~ and said eye are [[made]] separate [[ly]]
4 pieces.

1 4. (currently amended) The ~~junction system joint~~
2 assembly according to claim 3, ~~characterized in that wherein~~ said
3 ~~tubular element tube~~ has a curved section defining said eye, and at

4 least a first substantially straight section distal from ~~the head~~
5 an outer end of said end section of said filiform element.

5. (canceled)

1 6. (currently amended) The ~~junction-system joint~~
2 assembly according to claim 1 ~~5, characterized in that wherein~~ said
3 means for bonding said ~~tubular-element tube~~ to said filiform
4 element comprises an adhesive or a chemical bond between said
5 ~~tubular-element tube~~ and said filiform element.

1 7. (currently amended) The ~~junction-system joint~~
2 assembly according to claim 4, ~~characterized in that wherein~~ said
3 first straight section of said ~~tubular-element tube~~ has a
4 predetermined length such that the tensile stress force is at least
5 partially ~~or completely~~ transferred from said filiform element to
6 said ~~tubular-element tube~~ in correspondence with along said first
7 straight section of said ~~tubular-element tube~~.

1 8. (currently amended) The ~~junction-system joint~~
2 assembly according to claim 4, ~~characterized in that wherein~~ said
3 ~~tubular-element tube~~ has a second substantially straight section
4 proximal to the ~~[[head]]~~ outer end of said end section of said
5 filiform element.

9. (canceled)

1 10. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ a
3 matrix of said filiform element of composite material is
4 thermoplastic.

11. (canceled)

1 12. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 ~~tubular element tube~~ is steel.

13 - 14. (canceled)

1 15. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 filiform element has a protective coating against ultraviolet rays,
4 and/or against attacks of chemical nature, ~~and/~~ or against damage
5 of mechanical origin.

1 16. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 filiform element ~~[[and/]]~~ or said protective coating ~~[[have]]~~ has
4 a predetermined coloration for identifying the diameter of said
5 filiform element ~~[[and/]]~~ or for visually indicating said filiform
6 element.

1 17. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 filiform element or said protective coating ~~[[have]]~~ has length
4 markers for facilitating measurement of said filiform element
5 during ~~the making manufacture~~ of the ~~junction system joint~~
6 assembly.

1 18. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that it has further~~
3 comprising
4 means ~~[[of]]~~ for locking said ~~eye's closing the eye~~
5 closed.

1 19. (currently amended) The ~~junction system joint~~
2 assembly according to claim 18, ~~characterized in that wherein~~ said
3 locking means are formed by a ring applied around the neck of said
4 eye.

1 20. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that wherein~~ said
3 ~~tubular element tube~~ has flared end edges.

1 21. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that it has further~~
3 comprising

4 removable connection means between said ~~tubular element~~
5 tube and said eye.

1 22. (currently amended) The ~~junction system joint~~
2 assembly according to claim 21, ~~characterized in that wherein~~ said
3 connection means comprise a threaded stem ~~[[which]]~~ that extends
4 from said eye and screws into a first end of said ~~tubular element~~
5 tube.

1 23. (currently amended) The ~~junction system joint~~
2 assembly according to claim 21, ~~characterized in that further~~
3 comprising

4 a ~~n-antiunthreading~~ retaining element adapted to prevent
5 ~~the unthreading of said the~~ filiform element from pulling out of a
6 second end of said ~~tubular element~~ tube.

1 24. (currently amended) The ~~junction system joint~~
2 assembly according to claim 23 ~~characterized in that said anti-~~
3 ~~unthreading wherein the retaining~~ element consists of a pin
4 inserted axially ~~in correspondence with the~~ outer end of said
5 filiform element positioned in said ~~tubular element~~ tube, and
6 having a maximum cross section greater than ~~[[the]]~~ an internal
7 clearance of said ~~tubular element~~ tube.

1 25. (currently amended) The ~~junction system joint~~
2 assembly according to claim 23, ~~characterized in that wherein~~ said
3 pin is conical or frustoconical.

1 26. (currently amended) The ~~junction system joint~~
2 assembly according to claim 23, ~~characterized in that wherein~~ said
3 filiform element is of composite thermoplastic material, ~~directly~~
4 ~~or indirectly~~ heatable to a softening temperature adapted to permit
5 the penetration of ~~said anti-unthreading~~ the retaining element.

1 27. (currently amended) The ~~junction system joint~~
2 assembly according to claim 1, ~~characterized in that it presents~~
3 further comprising

4 means ~~[[of]]~~ for screw connection between the outer side
5 surface of said end section of said filiform element and the inner
6 side surface of said ~~tubular element~~ tube.

28 - 29. (canceled)

1 30. (currently amended) A procedure for joining a
2 filiform element to a connection element, ~~characterized in that~~
3 comprising the steps of

4 fitting a ~~tube is fitted~~ tube on an end section of said
5 filiform element,

6 shaping said ~~tube-shaped~~ tube such that it defines an eye
7 adapted to be hooked by said connection element, the filiform
8 element being a composite round ~~bar~~ strand, ~~heated~~
9 simultaneously heating the strand with the ~~tubular~~
10 ~~element tube~~ to a predetermined temperature at which both become
11 malleable in order to be shaped to define the eye.

31. (canceled)

1 32. (currently amended) The procedure for achieving a
2 system of junction of a filiform element to a connection element
3 according to ~~any one preceding claim 30, further comprising the~~
4 ~~step of, characterized in that it joins~~
5 joining said filiform element to said ~~tubular element~~
6 tube in order to transfer the tensile stress load from one to the
7 other.

1 33. (currently amended) A kit for achieving a system of
2 junction of a filiform element to a connection element, the kit
3 comprising ~~, characterized in that one said~~
4 _____ a filiform element, resistant to tensile stress, of
5 thermoplastic composite material, one tube to fit
6 a tube fittable on an end section of said filiform
7 element, and
8 a device for ~~folding said tube having~~ bending the tube
9 including means ~~[[of]]~~ for heating adapted to simultaneously heat

10 said filiform element and said ~~tubular element~~ tube to a
11 predetermined temperature in which said filiform element and said
12 ~~tubular element~~ tube become malleable, in order to be shaped such
13 to substantially define a hooking eye to said connection element.

1 34. (currently amended) A method for reducing the
2 aerodynamic resistance of a filiform element subject to a fluid
3 flux of variable direction, ~~characterized in that attached~~
4 comprising the step of
5 attaching along at least one section of said filiform
6 element ~~[[is]]~~ at least one element with highly aerodynamic wing
7 profile, supported and freely rotating around said filiform element
8 such that it orients itself in the flux direction which impacts it.

1 35. (currently amended) A device for reducing the
2 aerodynamic resistance of a filiform element subject to a fluid
3 flux of variable direction, ~~which is characterized in that it~~
4 comprises the device comprising
5 at least one highly aerodynamic wing element attached
6 along at least one section of said filiform element and supported
7 and freely rotating around said filiform element such that it
8 orients itself in the flux direction which impacts it.

1 36. (currently amended) The device according to claim
2 35, ~~characterized in that it is in the form of~~ wherein the device
3 is shaped like a wing-shaped foil ~~[[,]]~~ having elastically ~~pliable~~

4 deformable opposing edges for [[the]] snap-lock introduction of
5 said filiform element inside said element with aerodynamic profile.

1 37. (currently amended) The device according to claim
2 ~~35, characterized in that~~ wherein it is ~~formed in a~~ plastic
3 extrusion.

1 38. (currently amended) The device according to claim
2 ~~36, characterized in that~~ wherein said foil has at least a first
3 extension projecting from the inner surface in order to join said
4 foil to a precise point on the longitudinal length of said filiform
5 element.

1 39. (currently amended) The device according to any
2 claim 36, ~~characterized in that~~ wherein said foil has a plurality
3 of extensions projecting from its inner surface in order to join
4 said foil to a precise point on the longitudinal length of said
5 filiform element having substantially smaller diameter than that of
6 the maximum chord of the curved part of said foil.

40. (canceled)